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Title: FR2624870A1: COMPOSITION ADHESIVE ACRYLIQUE PRESENTANT APRES DURCISSEMENT UNE RESISTANCE AMELIOREE AU CISAILLEMENT ET SON APPLICATION A LA LIAISON D'ELEMENTS ET NOTAMMENT D'ELEMENTS STRUCTURAUX

Derwent Title: Acrylic! adhesive compsn. with improved shear strength after hardening - contains crosslinked polyurethane network formed in situ in acrylic monomer phase, used esp. for bonding structural elements [[Derwent Record](#)]

Country: FR France

Kind: A1 Application, First Publication¹ (See also: [FR2624870B1](#))

Inventor: DINH NGUYEN TRUONG;

Assignee: ELF AQUITAINE STE NALE France
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**High Resolution**

Published / Filed: 1989-06-23 / 1987-12-22

Application Number: FR1987008717905

IPC Code: [C08L 33/06](#); [C08L 33/18](#); [C08G 18/28](#); [C09J 3/14](#); [F16B 11/00](#); [C08L 33/06](#); [C08L 75/04](#); [C08L 33/18](#); [C08L 75/04](#);

ECLA Code: None

Priority Number: 1987-12-22 FR1987008717905


INPADOC Legal Status:

Gazette date	Code	Description (remarks)	List all possible codes for FR
1994-10-28	ST -	Lapsed	

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Designated Country: AT BE CH DE ES FR GB GR IT LI LU NL SE DK FI JP NO US

Family:

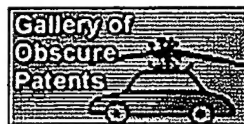
PDF	Publication	Pub. Date	Filed	Title
	WO8805796A1	1988-08-11	1988-01-29	ACRYLIC ADHESIVE COMPOSITION HAVING AFTER HARDENING AN IMPROVED SHEAR RESISTANCE AND APPLICATION TO THE BONDING OF ELEMENTS, PARTICULARLY STRUCTURAL ELEMENTS
<input checked="" type="checkbox"/>	NO0884334A0	1988-09-29	1988-09-29	KLEBEMIDDEL.
<input checked="" type="checkbox"/>	NO0884334A	1988-11-30	1988-09-29	KLEBEMIDDEL.
	JP01502035T2	1989-07-13		

<input checked="" type="checkbox"/>	FR2624870B1	1992-01-03	1987-12-22	COMPOSITION ADHESIVE ACRYLIQUE PRESENTANT APRES DURCISSEMENT UNE RESISTANCE AMELIOREE AU CISAILLEMENT ET SON APPLICATION A LA LIAISON D'ELEMENTS ET NOTAMMENT D'ELEMENTS STRUCTURAUX
<input checked="" type="checkbox"/>	FR2624870A1	1989-06-23	1987-12-22	COMPOSITION ADHESIVE ACRYLIQUE PRESENTANT APRES DURCISSEMENT UNE RESISTANCE AMELIOREE AU CISAILLEMENT ET SON APPLICATION A LA LIAISON D'ELEMENTS ET NOTAMMENT D'ELEMENTS STRUCTURAUX
<input checked="" type="checkbox"/>	FI0884484A0	1988-09-29	1988-09-29	AKRYLLIMKOMPOSITION MED FOERBAETTRAD BRYTHAOLLFASTHET EFTER HAERDNING OCH DESS ANVAENDNING VID HOPFOGNING AV ELEMENT OCH SPECIELLT BYGGELEMENT.
<input checked="" type="checkbox"/>	FI0884484A	1988-09-29	1988-09-29	AKRYLLIMKOMPOSITION MED FOERBAETTRAD BRYTHAOLLFASTHET EFTER HAERDNING OCH DESS ANVAENDNING VID HOPFOGNING AV ELEMENT OCH SPECIELLT BYGGELEMENT.
<input checked="" type="checkbox"/>	EP0279725A1	1988-08-24	1988-01-29	Acrylic adhesive composition having an improved shear strength after curing and its use in joining elements, particularly structural elements, together
<input checked="" type="checkbox"/>	DK0544488A0	1988-09-29	1988-09-29	ACRYLBASEREDE ADHAESIONSPRAEPARATER MED FORBEDRET MODSTANDSDYGTIGHED OVER FOR FORSKYDNINGSKRAEFTER I HAERDET TILSTAND OG ANVENDELSE DERAFTIL LIMNING AF, ISAER STRUKTURELLE, ELEMENTER
<input checked="" type="checkbox"/>	DK0544488A	1988-09-29	1988-09-29	ACRYLBASEREDE ADHAESIONSPRAEPARATER MED FORBEDRET MODSTANDSDYGTIGHED OVER FOR FORSKYDNINGSKRAEFTER I HAERDET TILSTAND OG ANVENDELSE DERAFTIL LIMNING AF, ISAER STRUKTURELLE, ELEMENTER

11 family members shown above

Other Abstract
Info:

CHEMABS 110(12)096738K DERABS C88-235154



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Derwent Title: **Acrylic! adhesive compsn. with improved shear strength after hardening - contains crosslinked polyurethane network formed in situ in acrylic monomer phase, used esp. for bonding structural elements**

Original Title:  **WO8805796A1: ACRYLIC ADHESIVE COMPOSITION HAVING AFTER HARDENING AN IMPROVED SHEAR RESISTANCE AND APPLICATION TO THE BONDING OF ELEMENTS, PARTICULARLY STRUCTURAL ELEMENTS**

Assignee: **TRUONG D N** Individual
SOC NAT ELF AQUITAINE Standard company
 Other publications from [SOC NAT ELF AQUITAINE \(ERAP\)...](#)

Inventor: **TRUONG D;**

Accession/Update: **1988-235154 / 198833**



IPC Code: **C08G 18/63 ; C08L 33/06 ; C08L 75/04 ; C09J 3/14 ; F16B 11/00 ;**

Derwent Classes: **A81; G03; Q61; A14;**

Manual Codes: **A02-A03**(Free radical, general and others) , **A04-B09**(Esters containing 2 non-conjugated C-C double bonds) , **A04-F06B**(Compositions) , **A05-G01B** (Compositions) , **A07-A04E**(Polyamide, polyurethane and/or polyether) , **G03-B02D1**(Acrylic polymers) , **G03-B02E4**(Polyurethanes; polyureas; other isocyanate resin-based adhesives)

Derwent Abstract: **(WO8805796A)** Compsn. (I) comprises (A) acrylic monomer phase contg. at least one mono-acrylic monomer and up to 10% on wt. (A), at least one ester contg. more than one acrylic gp., and, intimately mixed with (A), (B) generator of free radicals, (C) crosslinked polyurethane network formed in situ in (A) from precursor system (II) in soln. in (A), where a) (II) comprises 3-60 wt.% (A), b) (II) is formed from at least one polyfunctional organic isocyanate (III) and at least one polyol (IV), each sol. in (A), at least one (III) having 3 or more NCO functions and/or (at least) one (IV) having 3 or more OH functions so as to form (C) without phase sep'n.
 Pref. (II) comprises 5-25 wt.% (A). (IV) has no average mol.wt. 60-200,000. (III) has at least 2 NCO gps. per mol., wt. below 5000, and are aliphatic, acyclic, cyclic or aromatic.
USE/Advantage - Bonding elements, partic. structural (claimed), partic. metals, plastics, composites, wood, glass, ceramics, esp. opt. degreased metal sheets. Hardened (I) has improved resistance to shock and shearing.

[Dwg.0/0](#)

Family:	PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
 WO8805796A *	1988-08-11	198833	38	French	C08G 18/63	
Des. States: (N) DK FI JP NO US						
Local appls.: WO1988FR0000050 Filed:1988-01-29 (88WO-FR000050)						
JP01502035W = 1989-07-13 198934 English F16B 35/00						
Local appls.: JP1988000501478 Filed:1988-01-29 (88JP-0501478)						
 FR2624870A =	1989-06-23	198932		French	C08G 18/28	

Local appls.: FR1987000017905 Filed:1987-12-22 (87FR-0017905)

NO8804334A = 1989-01-16 198909 NO_NO

Local appls.:

FI8804484A = 1988-09-29 198927 FI_FI

Local appls.:

DK8805444A = 1988-09-29 198906 DA_DK

Local appls.:

EP0279725A = 1988-08-24 198834 French C08G 18/63

Des. States: (R) AT BE CH DE ES FR GB GR IT LI LU NL SE

Local appls.: EP1988000400200 Filed:1988-01-29 (88EP-0400200)

INPADOC
Legal Status:

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First Claim:

[Show all claims](#) 1.- Composition adhésive acrylique présentant aprèsdurcissement une résistance améliorée au choc et aucisaillement, du type comportant une phase acryliquemonom%-.'re renfermant un au plusieurs monomèresmonoacryliques et jusqu'à 10 en poids de laditephase, d'un ou plusieurs esters pluriacryliques et, enmélange intime avec la phase monomère, un générateur deradicaux libres ainsi qu'un adjuvant d'amélioration dela résistance au choc de la compostion adhésive durcie,et se caractéris"nt en ce que ledit adjuvant consisteen un réseau polyuréthane réticulé formé in situ ausein de la phase acrylique monomère à partir d'unsystème précurseur de polyuréthane mis en solutiondans 'ladite phase monomère, ledit système précurseurétant utilisé à raison de 3 à 60 % du poids de la phaseacrylique monomère et étant formé d'un ou plusieursisocyanates organiques polyfonctionnels et d'un auplusieurs polyols, qui sont so1u]@1es chacun dans laphase acrylique monomère et sont choisis de telle sorteque ce système précurseur renferme au moins unisocyanate possédant au moins trois fonctionsisocyanates ou/et un polyol ayant au moins troisFunction hydroxyles pour conduire au polyuréthanneréticulé sans séparation de phases.Composition adhésive selon la revendication il,caractérisée en ce que le système précurseur depolyuréthane est utilisé en quantitt@ représentant 5 à25 % du poids de la phase acrylique monomère.3 - Composition adhésive selon la revendication 1 ou 2,caractérisée en ce que les polyols entrant dans lacomposition du système précurseur de polyuréthane ont des masses moléculaires moyennes en nombre comprisesentre 60 et 200 4 - Composition adhésive selon l'une des revendications 1 à

[French] †

Priority Number:

Application Number	Filed	Original Title
FR1987000017905	1987-12-22	
FR1987000001135	1987-01-30	

Unlinked
Registry Numbers:

0415U 0474U 1041U 1694U

Polymer
Multipunch Codes:

[Show polymer multipunch codes](#)

Citations:

PDF	Patent	Original Title
<input checked="" type="checkbox"/>	DE3033359	VERFAHREN ZUR HERSTELLUNG EINES KLEBSTOFFFILMS.
<input checked="" type="checkbox"/>	EP0154819	METHOD OF ADHESION AND COMPOSITION THEREFOR
	FR01111524	
	FR01572362	
	FR02029469	

	FR02029560	
<input checked="" type="checkbox"/>	FR2349609	NOUVELLES COMPOSITIONS DE POLYMERES RENFERMANT DES RADICAUX ISOCYANATES ET PROCEDE DE LEUR PREPARATION
		Msg: No-citns.

Related
Accessions:

Accession Number	Type	Derwent Update	Derwent Title
C1988-105203	C		
1 item found			

Title Terms: POLYACRYLIC ADHESIVE COMPOSITION IMPROVE SHEAR STRENGTH AFTER HARDEN
CONTAIN CROSSLINK POLYURETHANE NETWORK FORMING SITU ACRYLIC MONOMER
PHASE BOND STRUCTURE ELEMENT

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